Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/06/2020 11:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123452	-2	2.58	123596	2.60
Blue	F	SSC	125000	123711	-2	2.70	124506	2.66
Blue	E	FITC	15892	15432	-3	3.09	338	20.83
Blue	D	PE	29999	29055	-4	2.25	631	15.09
Blue	B	PerCP-Cy5-5	43732	43031	-2	3.87	1156	20.77
Blue	A	PE-Cy7	30845	30209	-3	6.27	574	41.48
Red	C	APC	46112	44525	-4	2.56	1576	12.22
Red	A	APC-Cy7	30458	29548	-3	2.48	784	11.84
Violet	B	V450	7918	7592	-5	4.18	430	12.94
Violet	A	V500	32171	30865	-5	3.89	723	10.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17084	10.42	630	9	N/A	N/A	Pass
Blue	F	SSC	56555	1.96	572	13	N/A	N/A	Pass
Blue	E	FITC	61	64.02	548	5	0.0177	78	Pass
Blue	D	PE	132	49.94	553	5	0.1513	244	Pass
Blue	B	PerCP-Cy5-5	212	50.72	661	5	0.0087	50	Pass
Blue	A	PE-Cy7	106	103.69	702	4	0.0107	19	Pass
Red	C	APC	375	25.17	587	3	0.0238	116	Pass
Red	A	APC-Cy7	172	28.86	559	3	0.0058	1161	Pass
Violet	B	V450	65	56.69	461	3	0.0472	1587	Pass
Violet	A	V500	108	32.80	477	3	0.0238	722	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.76	-32.93	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.45	13.60 - 20.40	N/A	N/A	30.05	30.79	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10627

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments